District 10 Mobility Performance Report

2015 Third Quarter

DEPARTMENT OF TRANSPORTATION

October 14, 2015 : Jaime Q. Quesada

District 10 Mobility Performance Report

2015 Third Quarter

EXECUTIVE SUMMARY

Overview

Caltrans District 10 contains eight counties located within the Central Valley (San Joaquin / Stanislaus / Merced) and the Sierra Nevada (Amador / Calaveras / Tuolumne / Mariposa / Alpine). Over the years detection in Alpine and Calaveras Counties has been sparse, so the District 10 Mobility Performance Report (MPR) no longer includes these two counties in the quarterly or annual analysis.

The MPR quarterly analysis compares information in the current quarter to that of the previous quarter and the quarter one year prior. The following are the performance measures reported in the MPR:

- Vehicle Miles Traveled (VMT)
- Vehicle Hours of Delay (VHD)
- Lost Lane Miles (LLM)
- Detector Health (DH)

This information is based on data collected every day of the quarter, twenty—four hours a day, by automated vehicle detector stations deployed on urban-area freeways where congestion is regularly experienced. The MPR presents congestion information at two speed thresholds: delay from vehicles traveling below 35 miles per hour (mph), and delay from vehicles traveling below 60 mph. The delay at the 35 mph threshold represents severe congestion while delay at 60 mph

represents all congestion, both light and heavy. These thresholds are set by Caltrans and are based upon engineering experience and District input.

FINDINGS

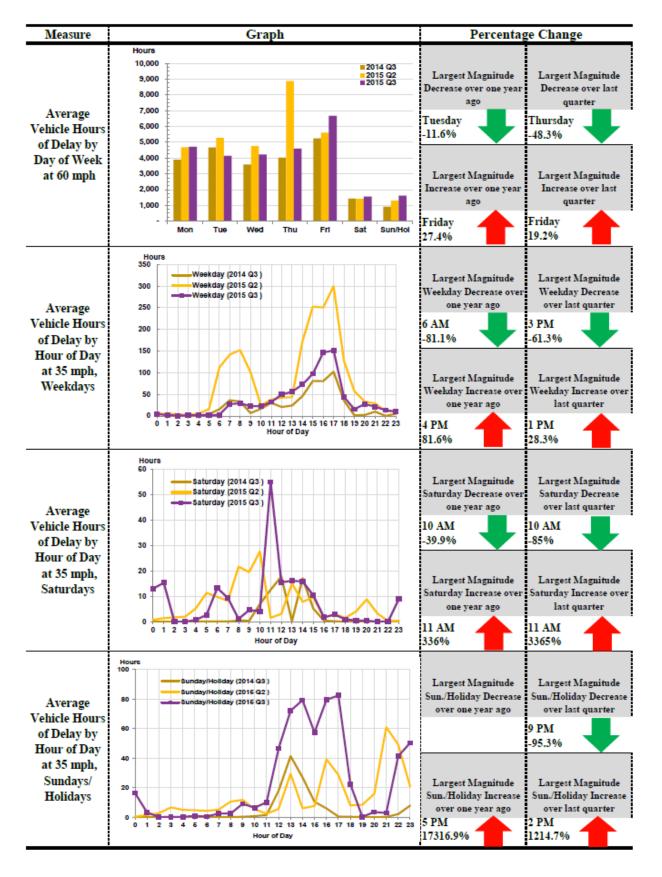
In the third quarter, total delay equaled 67 thousand vehicle hours of delay (VHD) at the 35 mph speed threshold, and 354 thousand VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 861 VHD at 35 mph, and 4,834 VHD at 60 mph.

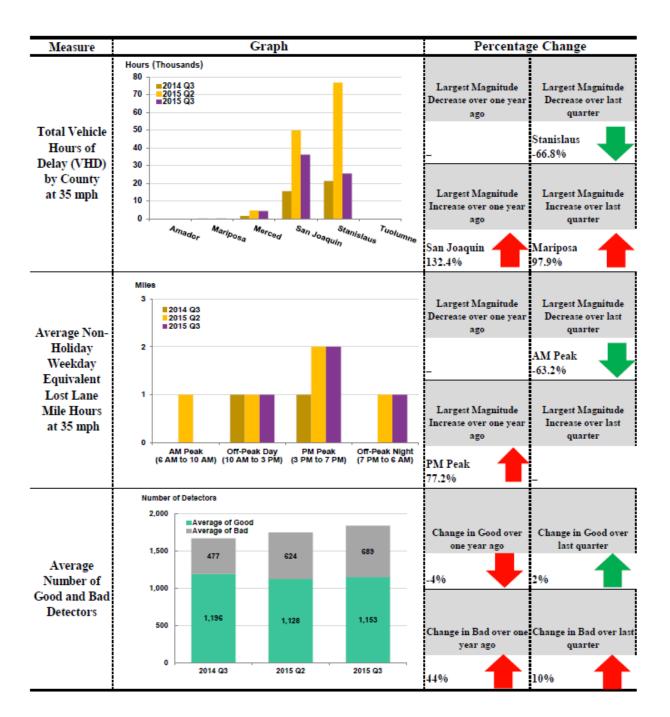
Top Ten Bottlenecks for 2015 Quarter 3

| FWY | COUNTY | LOCATION | SHIFT | ABS. PM | CA PM | # DAYS ACTVE | AVG. EXTENT (MILES) | TOTAL DELAY (VEH-HRS) | TOTAL DURATION (MINS) |
|--------|--------|-------------------------------|-------|---------|---------|--------------------|---------------------------|-----------------------------|-----------------------------|
| 1205-W | SJ | E OF HANSEN RD | AM | 3.310 | 2.380 | 52 | 4.9 | 89233 | 7670 |
| SR99-S | STA | Maze Blvd | PM | 227.325 | 16.290 | 39 | 3.3 | 4464 | 3070 |
| 15-N | SJ | N/O French Camp Rd | PM | 468.140 | R22.648 | 52 | 0.4 | 1983 | 7140 |
| SR99-S | STA | N/O Rte 219/Kiernan Ave | PM | 233.625 | 22.590 | 7 | 4.3 | 1600 | 490 |
| SR99-S | STA | Hammett Rd | PM | 235.307 | 24.272 | 22 | 3.2 | 1076 | 1060 |
| 1205-E | SJ | E of Hansen Rd | PM | 3.310 | 2.380 | 4 | 4.9 | 1008 | 240 |
| SR99-S | SJ | Austin Rd | PM | 240.818 | 5.033 | 6 | 1.2 | 813 | 520 |
| SR4-W | SJ | E/O I-5 | PM | 64.034 | R16.500 | 7 | 3.5 | 751 | 330 |
| SR99-S | SJ | N/O On Ramp from Jack Tone Rd | PM | 237.866 | 2.081 | 11 | 0.9 | 624 | 755 |
| SR99-S | SJ | S/O Rte 120 | PM | 241.202 | 5.417 | 19 | 0.5 | 394 | 1225 |

2015 Q3 Quarterly Mobility Statistics - District 10







| Congestion by Route | | | | | | | | | | | |
|---------------------|-------------|-------------------------------------|----------|----------|-------------------|------------------|-------------------------------|------------|---------|---------|---------|
| | | Vehicle Hours of Delay at 35 mph | | | Differ 2015 Q3 | ence -2014 Q3 | Difference 2015 Q3-2015 Q2 | | Rank | | |
| Route | County | 2014 Q3 | 2015 Q2 | 2015 Q3 | Absolute | Percentage | Absolute | Percentage | 2014 Q3 | 2015 Q2 | 2015 Q3 |
| 1205 | San Joaquin | 12281.5 | 103481.5 | 162765.6 | 150484.1 | 1225% | 59,284 | 57% | 2 | 1 | 1 |
| SR99 | San Joaquin | 7321.9 | 16300.8 | 24091.9 | 16770 | 229% | 7,791 | 48% | 3 | 4 | 2 |
| SR99 | Stanislaus | 21325.9 | 71546.2 | 21686.5 | 360.6 | 2% | (49,860) | -70% | 1 | 2 | 3 |
| SR4 | San Joaquin | 6000.1 | 27976.1 | 7818.8 | 1818.7 | 30% | (20,157) | -72% | 4 | 3 | 4 |
| 1580 | San Joaquin | 2525.6 | 1915.8 | 5791.9 | 3266.3 | 129% | 3,876 | 202% | 5 | 9 | 5 |
| SR152 | Merced | 821.8 | 2340.7 | 4010.3 | 3188.5 | 388% | 1,670 | 71% | 8 | 8 | 6 |
| 15 | San Joaquin | 2273.6 | 2628.9 | 3960.2 | 1686.6 | 74% | 1,331 | 51% | 6 | 6 | 7 |
| 15 | Stanislaus | 47.8 | 5258.9 | 3830.2 | 3782.4 | 7913% | (1,429) | -27% | 10 | 5 | 8 |
| SR99 | Merced | 879.6 | 2366.4 | 456.9 | -422.7 | -48% | (1,910) | -81% | 7 | 7 | 9 |
| SR49 | Mariposa | 183.9 | 95.8 | 189.6 | 5.7 | 3% | 94 | 98% | 9 | 10 | 10 |
| 15 | Merced | 0.1 | 44.3 | 19.7 | 19.6 | 19600% | (25) | -56% | 13 | 12 | 11 |
| SR132 | San Joaquin | 1.2 | 44.9 | 13.4 | 12.2 | 1017% | (32) | -70% | 12 | 11 | 12 |
| SR104 | Amador | 0 | 0 | 0 | 0 | | - | | | | |
| SR108 | Tuolumne | 0 | 0 | 0 | 0 | | - | | | | |
| SR12 | San Joaquin | 0 | 0 | 0 | 0 | | - | | | | |
| SR120 | San Joaquin | 1.9 | 0 | 0 | -1.9 | -100% | - | | 11 | | |
| SR120 | Tuolumne | 0 | 0 | 0 | 0 | | - | | | | |
| SR219 | Stanislaus | 0 | 0 | 0 | 0 | | - | | | | |
| TOTALS | | 53,665 | 234,000 | 234,635 | 180,970 | 337% | 635 | 0% | | • | |

SR104 Amador: No delay detected in 2014 Q3, 2015 Q2, and 2015 Q3

SR 108 Tuolumne: No delay detected in 2014 Q3, 2015 Q2, and 2015 Q3

SR 12 San Joaquin: No delay detected in 2014 Q3, 2015 Q2, and 2015 Q3

SR 120 San Joaquin No delay detected in 2015 Q2 and 2015 Q3

SR 120 Tuolumne: No delay detected in 2014 Q3, 2015 Q2, and 2015 Q3

SR 219 Stanislaus: No delay detected in 2014 Q3, 2015 Q2, and 2015 Q3